

WHAT IS CLAIMED IS:

1. A vibration type driving apparatus comprising:
a vibration member of which the vibration is
excited; and

5 a contacting member contacting with said vibration
member, said contacting member and said vibration
member being moved relative to each other by the
vibration of said vibration member;

wherein a friction member is provided on the
10 contacting portion of at least one of said vibration
member and said contacting member, and said friction
member is formed with a contacting surface smoothed by
the pressing of a mold.

15 2. A vibration type driving apparatus according
to Claim 1, wherein the formation of said contacting
surface by the pressing of said mold is effected with
heating.

20 3. A vibration type driving apparatus according
to Claim 1, wherein the formation of said contacting
surface by the pressing of said mold is effected by a
press forming method.

25 4. A vibration type driving apparatus according
to Claim 1, wherein the formation of said contacting
surface by the pressing of said mold is effected by an

09729701-130600

ultrasonic working method.

5 5. A vibration type driving apparatus according
to Claim 1, wherein said friction member is a material
including a resin material.

10 6. A vibration type driving apparatus according
to Claim 2, wherein said friction member is a material
including a resin material.

15 7. A vibration type driving apparatus according
to Claim 3, wherein said friction member is a material
including a resin material.

20 8. A vibration type driving apparatus according
to Claim 1, wherein said friction member is set so that
the ridgeline portion of the contacting portion of a
partner side contacting said friction member is in non-
contact with said friction member.

25 9. A vibration type driving apparatus according
to Claim 8, wherein said friction member is formed with
a depressed portion, and is in non-contact with said
ridgeline portion of the contacting portion of said
partner side.

10. A vibration type driving apparatus according

to Claim 8, wherein said friction member is formed with a protruding portion, and is in non-contact with said ridgeline portion of the contacting portion of said partner side.

5

11. A vibration type driving apparatus according to Claim 9, wherein said depressed portion of said friction member is formed at the same time by the pressing of said contacting surface by said mold.

10

12. A vibration type driving apparatus according to Claim 10, wherein said protruding portion of said friction member is formed at the same time by the pressing of said contacting surface by said mold.

15

13. An apparatus for driving an object to be driven by using the vibration type driving apparatus according to Claim 1 as a drive source.

20

14. A vibration type driving apparatus comprising:

a vibration member of which the vibration is excited; and

25

a contacting member contacting with said vibration member, said contacting member and said vibration member being moved relative to each other by the vibration of said vibration member;

10

15

20

25

25

25

20. A vibration type driving apparatus according

to Claim 14, wherein said resin composition contains molybdenum disulfide.

21. A vibration type driving apparatus according
5 to Claim 14, wherein said resin composition contains
polyimide powder.

22. An apparatus for driving an object to be
driven by using the vibration type driving apparatus
10 according to Claim 14 as a drive source.